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**GROUND-WATER/SURFACE-WATER
INVESTIGATION PLAN
PHASE 1 REMEDIAL INVESTIGATION
FINAL REPORT**

**Volume 2 of 5
Plates**

June 7, 1991

Prepared for:

**Industri-Plex Site Remedial Trust
36 Commerce Way
Woburn, Massachusetts**

Prepared by:

**Roux Associates, Inc.
Environmental Science and Engineering, Inc.
PTI Environmental Services**

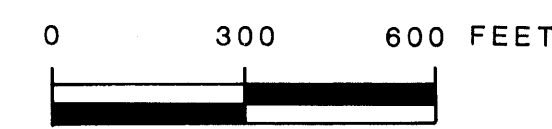
VOLUME 2

PLATES

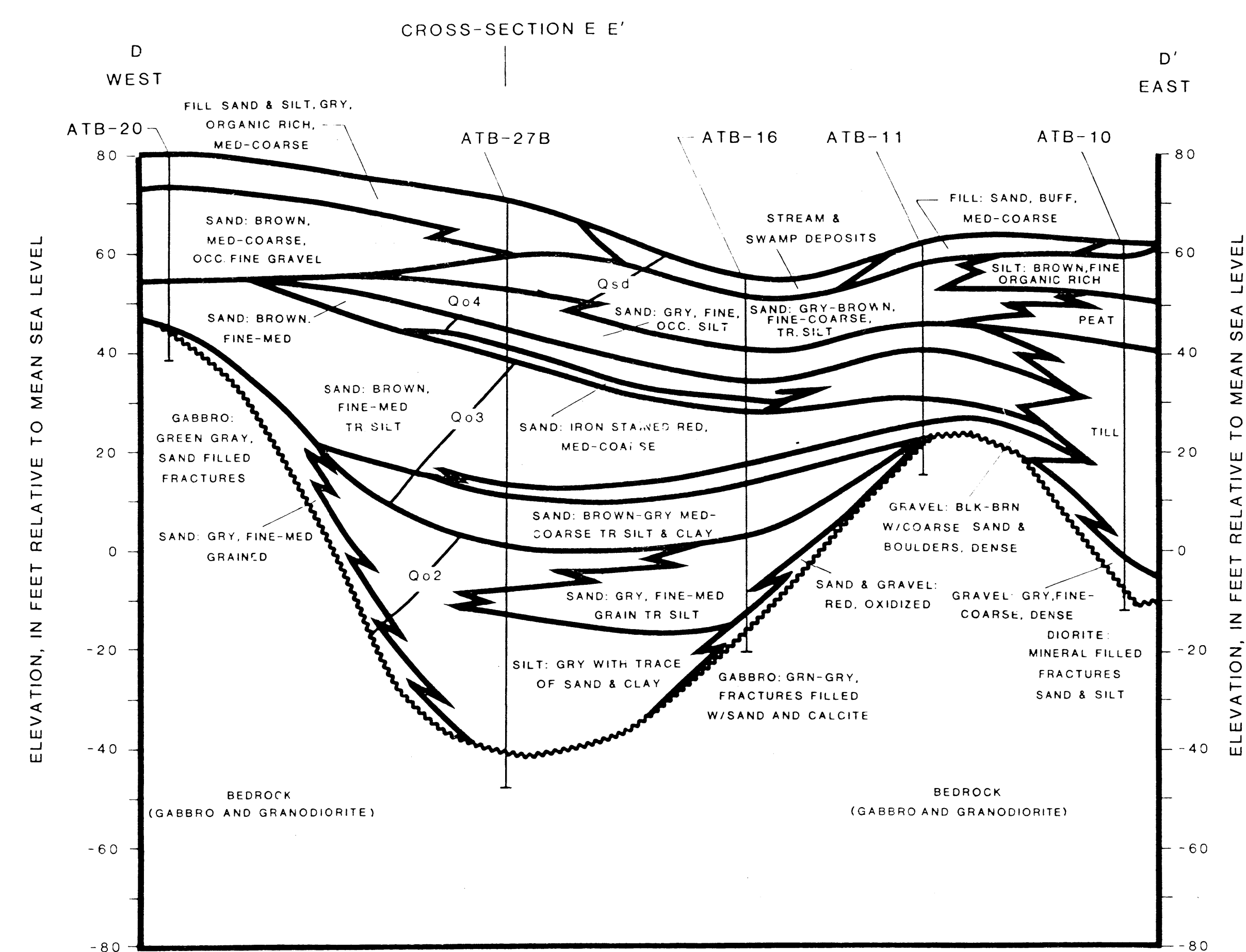
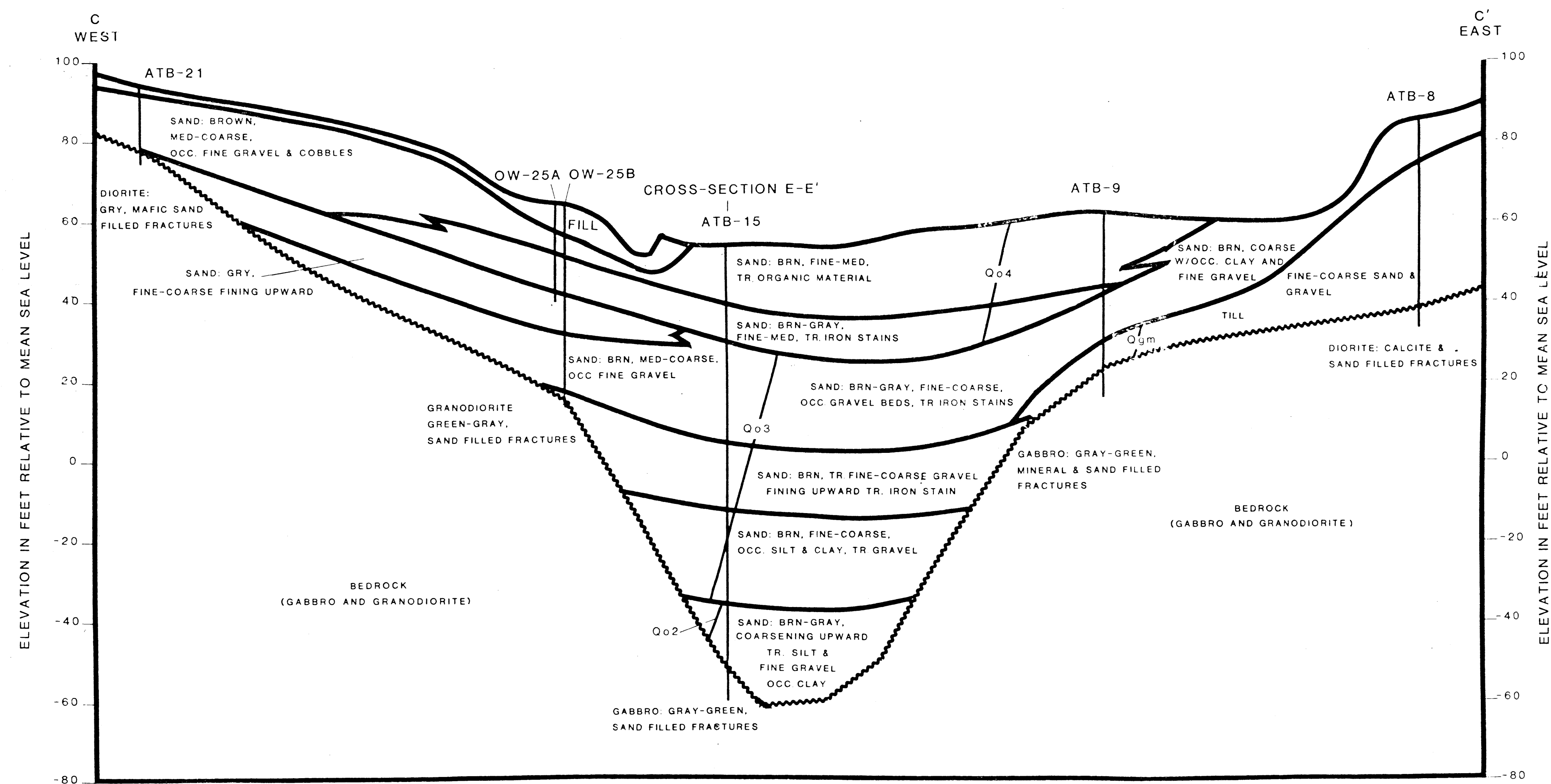
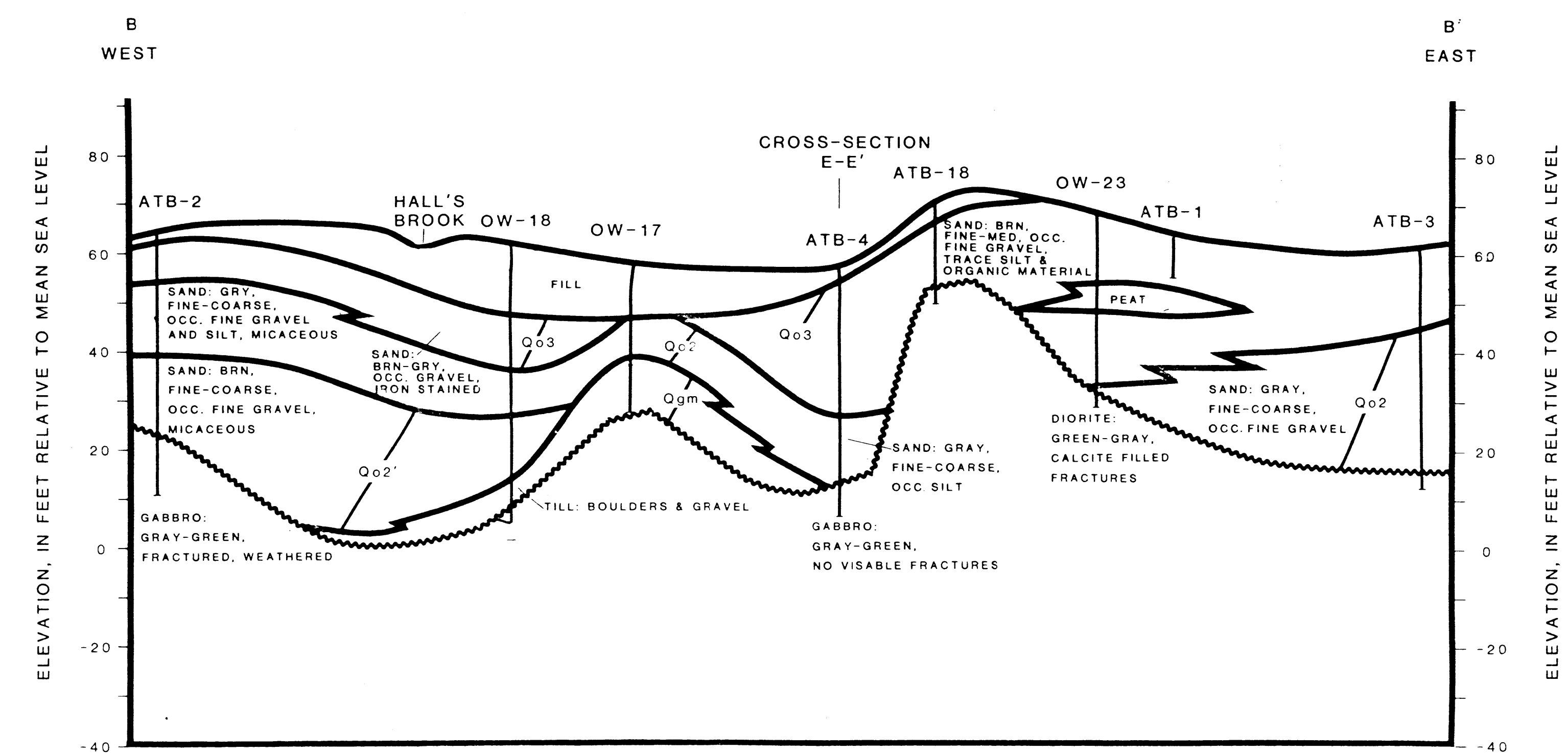
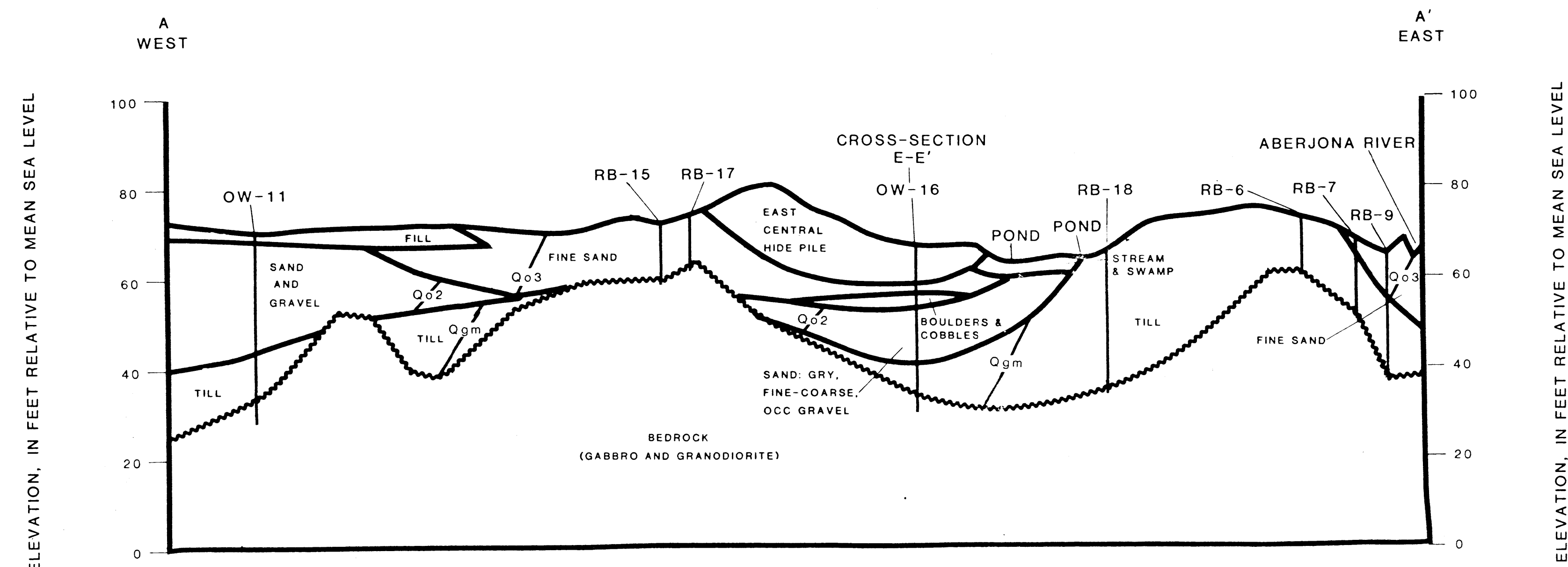
1. Sampling Locations, Ground-Water/Surface-Water Investigation Plan. In Pocket
2. Location of Generalized Geologic Cross Sections In Pocket
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4. Surficial Geologic Map In Pocket
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6. Isopach of the Saturated Unconsolidated Deposits In Pocket
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Detected in Ground-Water In Pocket
13. Location of Trunk Sewer Lines In Pocket
14. Location of Surface-Water Drainages and Discharges In Pocket
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Sediment May/June and July/August 1990 In Pocket
18. Concentrations of Arsenic, Chromium and Detected in Surface Water
July 31 to August 3, 1990 In Pocket
19. Concentrations of Arsenic Detected in Stream Sediment In Pocket
20. Concentrations of Chromium Detected in Stream Sediment In Pocket
21. Concentrations of Lead Detected in Stream Sediment In Pocket
22. Detected Concentrations of Total Volatile Organic Compounds, Semi-Volatile
Compounds, Arsenic, Chromium and Lead in Surface-Water Samples In Pocket
23. Detected Concentrations of Total Volatile Organic Compounds, Semi-Volatile
Compounds, Arsenic, Chromium and Lead in Stream-Sediment Samples In Pocket



- EXPLANATION
- OW-13 RI/FS MONITORING WELL LOCATION AND DESIGNATION
 - CW-28 GSP MONITORING WELL LOCATION AND DESIGNATION
 - OW-30A PDI MONITORING WELL LOCATION AND DESIGNATION
 - ATB-4 SOIL BORING LOCATION AND DESIGNATION
 - A-A' LOCATION OF GENERALIZED GEOLOGIC CROSS SECTION
 - INDUSTRI-PLEX SITE BOUNDARY



Title			
INDUSTRI-PLEX SITE REMEDIAL TRUST			
Prepared for:			
INDUSTRI-PLEX SITE REMEDIAL TRUST			
Compiled by: S.W.	Date: 5/91	PLATE	
Prepared by: C.R.	Scale: SHOWN		
Project Mgr: W.S.	Revision: 0		
Geographic Engineer	File No: MO6609Y.10.3		2



OW-16 — OBSERVATION WELL DESIGNATION

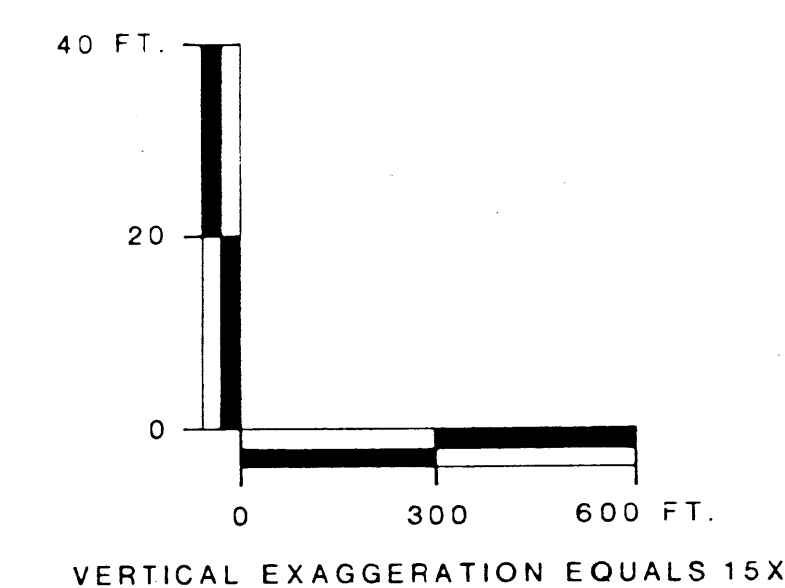
ATB-21 — SOIL BORING DESIGNATION

— LAND SURFACE

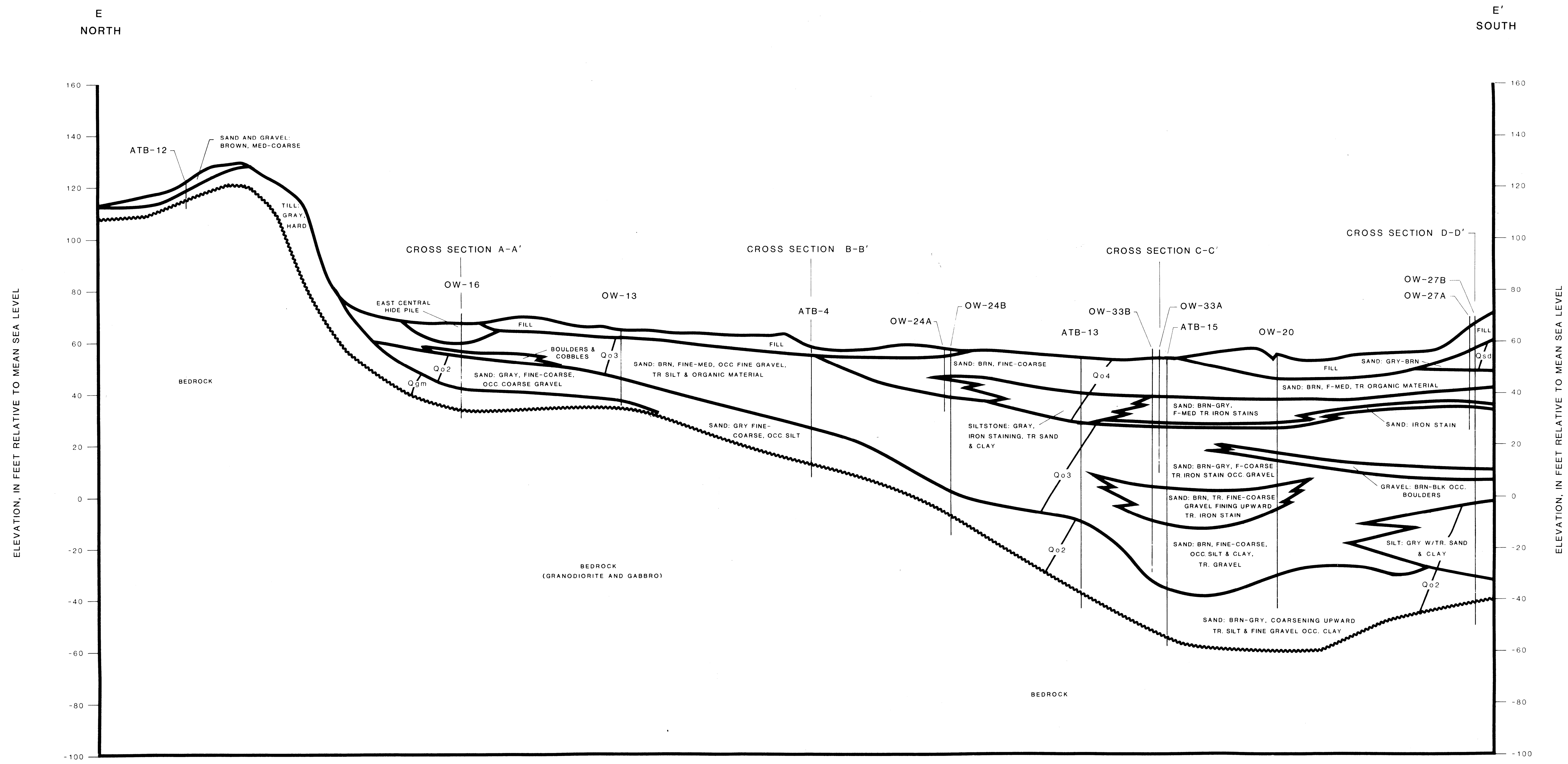
— GEOLOGIC CONTACT

EXPLANATION

RECENT	FILL	FILL
	Qsd	STREAM AND SWAMP DEPOSITS
PLEISTOCENE (WISCONSIN STAGE)	Qo4	GLACIAL OUTWASH: COARSE CLASTICS
	Qo3	GLACIAL OUTWASH: COARSE CLASTICS
	Qo2	GLACIAL OUTWASH: COARSE CLASTICS AND SAND
	Qgm	GROUND MORaine: TILL
	Qo1	GLACIAL OUTWASH: COARSE CLASTICS



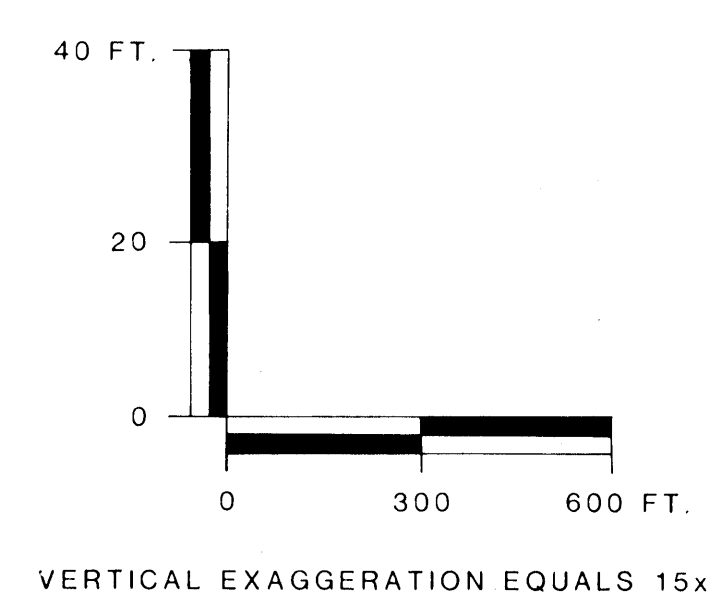
Title			
GENERALIZED GEOLOGIC CROSS-SECTIONS			
PART 1 OF 2			
Prepared for: INDUSTRI-PLEX SITE REMEDIAL TRUST			
ROUX ROUX ASSOCIATES INC. Consulting Ground Water Geologists & Engineers	Compiled by: L.O. Prepared by: V.M./S.W. Project Mgr: W.S.	Date: 5/91 Scale: SHOWN Revision: 0	Plate 3
File No: MO06609DY.1D.3			



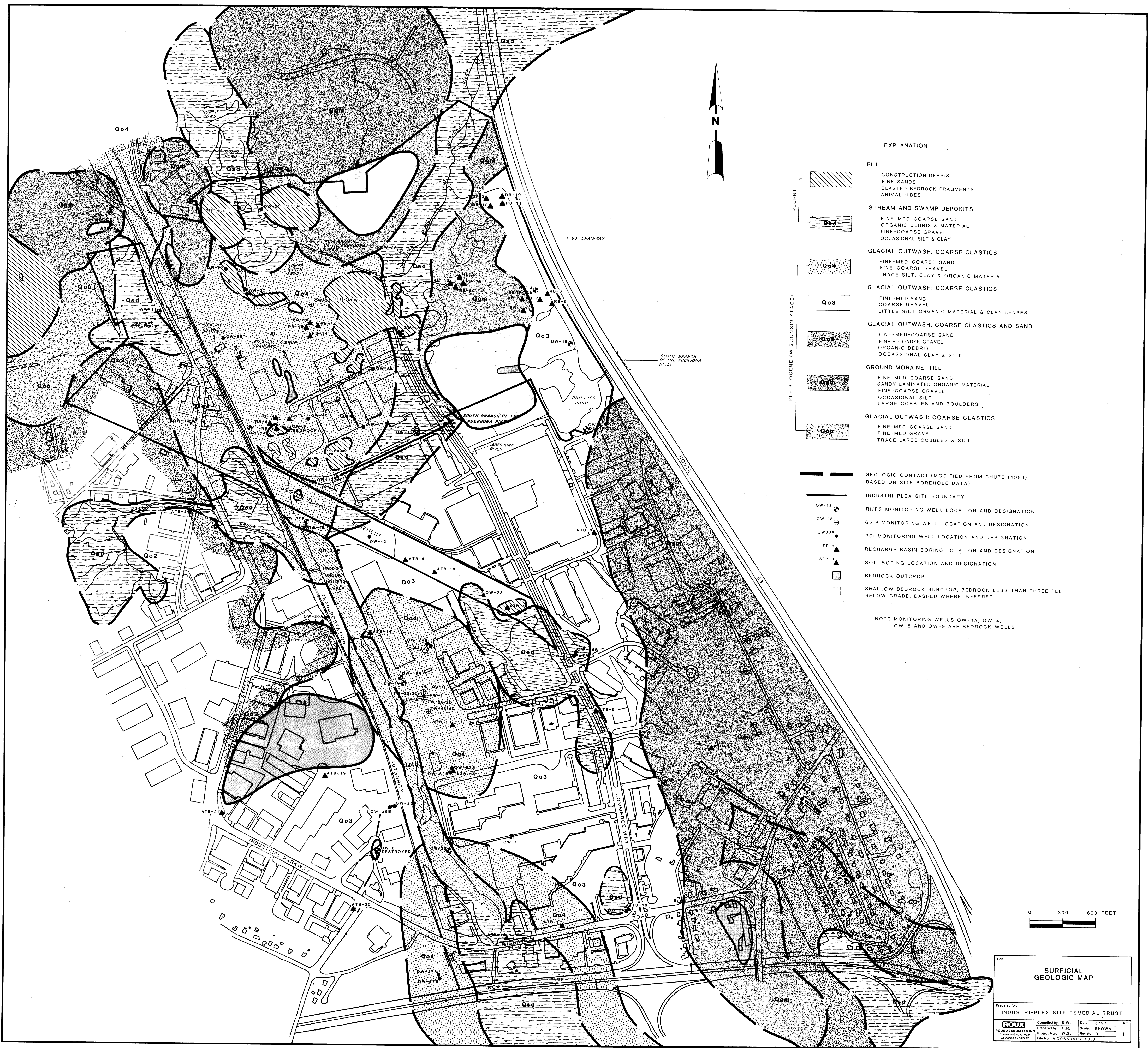
OW-16 — OBSERVATION WELL DESIGNATION
 ATB-4 — SOIL BORING DESIGNATION
 — LAND SURFACE
 — GEOLOGIC CONTACT

EXPLANATION

PLEISTOCENE (WISCONSIN STAGE)	RECENT	FILL	FILL
		Qsd	STREAM AND SWAMP DEPOSITS
		Qo4	GLACIAL OUTWASH: COARSE CLASTICS
		Qo3	GLACIAL OUTWASH: COARSE CLASTICS
		Qo2	GLACIAL OUTWASH: COARSE CLASTICS AND SAND
		Qgm	GROUND MORaine: TILL
		Qou	GLACIAL OUTWASH: COARSE CLASTICS

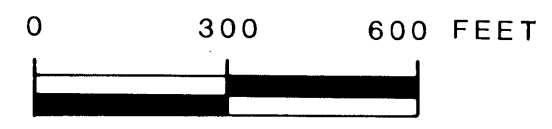


GENERALIZED GEOLOGIC CROSS-SECTIONS			
PART 2 OF 2			
Prepared for INDUSTRI-PLEX SITE REMEDIAL TRUST			
ROUTX ROUT ASSOCIATES INC. Geologic Engineering	Compiled by L.O. Prepared by C.R. Project Mgr. W.S.	Date 5/9/1 Scale SHOWN Revision 0 File No. MO06609DY.1D.3	PLATE 3



EXPLANATION

- FILL**
- CONSTRUCTION DEBRIS
 - FINE SANDS
 - BLASTED BEDROCK FRAGMENTS
 - ANIMAL HIDES
- STREAM AND SWAMP DEPOSITS**
- FINE-MED-COARSE SAND
 - ORGANIC DEBRIS & MATERIAL
 - FINE-COARSE GRAVEL
 - OCCASIONAL SILT & CLAY
- GLACIAL OUTWASH: COARSE CLASTICS**
- FINE-MED-COARSE SAND
 - FINE-COARSE GRAVEL
 - TRACE SILT, CLAY & ORGANIC MATERIAL
- GLACIAL OUTWASH: COARSE CLASTICS**
- FINE-MED SAND
 - COARSE GRAVEL
 - LITTLE SILT ORGANIC MATERIAL & CLAY LENSES
- GLACIAL OUTWASH: COARSE CLASTICS AND SAND**
- FINE-MED-COARSE SAND
 - FINE - COARSE GRAVEL
 - ORGANIC DEBRIS
 - OCCASIONAL CLAY & SILT
- GROUND MORAIN: TILL**
- FINE-MED-COARSE SAND
 - SANDY LAMINATED ORGANIC MATERIAL
 - FINE-COARSE GRAVEL
 - OCCASIONAL SILT
 - LARGE COBBLES AND BOULDERS
- GLACIAL OUTWASH: COARSE CLASTICS**
- FINE-MED-COARSE SAND
 - FINE-MED GRAVEL
 - TRACE LARGE COBBLES & SILT
- GEOLOGIC CONTACT (MODIFIED FROM CHUTE (1959) BASED ON SITE BOREHOLE DATA)**
- INDUSTRI-PLEX SITE BOUNDARY**
- RI/FS MONITORING WELL LOCATION AND DESIGNATION**
- GSIP MONITORING WELL LOCATION AND DESIGNATION**
- PDI MONITORING WELL LOCATION AND DESIGNATION**
- RECHARGE BASIN BORING LOCATION AND DESIGNATION**
- SOIL BORING LOCATION AND DESIGNATION**
- BEDROCK OUTCROP**
- SHALLOW BEDROCK SUBCROP, BEDROCK LESS THAN THREE FEET BELOW GRADE, DASHED WHERE INFERRED**
- NOTE MONITORING WELLS OW-1A, OW-4, OW-8 AND OW-9 ARE BEDROCK WELLS**



SURFICIAL GEOLOGIC MAP

Prepared for:
INDUSTRI-PLEX SITE REMEDIAL TRUST

ROUTED ASSOCIATES INC. Geological Engineering & Surveying	Compiled by: S.W. Project Manager: W.S.	Date: 5/9/1 Scale: SHOWN Revision: 0	PLATE 4
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File No. M008609DY.10.3



EXPLANATION

- BOREHOLE LOCATION (UNSURVEYED)
- OW-13 RI/FS MONITORING WELL LOCATION AND DESIGNATION
- OW-28 GSIP MONITORING WELL LOCATION AND DESIGNATION
- OW-30A PDI MONITORING WELL LOCATION AND DESIGNATION
- ATB-4 SOIL BORING LOCATION AND DESIGNATION
- 20 ——— LINE OF EQUAL ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL, DASHED WHERE INFERRED. CONTOUR INTERVAL EQUALS 10 FEET
- APPROXIMATE AXIS OF BURIED VALLEY
- EXTENT OF HIDE PILES

SOURCES:

- GOLDER ASSOCIATES, INC. "CONTOUR MAP OF BOTTOM OF AQUIFER" SHEET 5-10, APRIL 2, 1991
- ROUX ASSOCIATES, INC. "ELEVATION OF BEDROCK SURFACE" PLATE 5, GSIP RI JANUARY 15, 1991

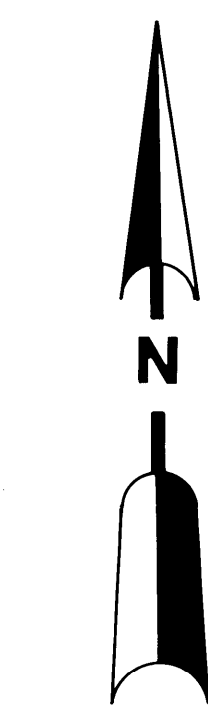
GOLDER ASSOCIATES, INC.
1991

ROUX ASSOCIATES, INC.
1991

GOLDER ASSOCIATES, INC.
1991

ROUX ASSOCIATES, INC.
1991

Title:			
ELEVATION OF THE BEDROCK SURFACE			
Prepared for:			
INDUSTRI-PLEX SITE REMEDIAL TRUST			
ROUX ASSOCIATES, INC. Geological & Engineering			
Compiled by: S.W.	Date: 6/91	Scale: SHOWN	PLATE
Prepared by: C.R.	Revision: 0		5
Project Mgr: W.S.			
File No:			



- EXPLANATION
- OW-13 RI/FS MONITORING WELL LOCATION AND DESIGNATION
 - OW-28 GSIP MONITORING WELL LOCATION AND DESIGNATION
 - OW-30 PDI MONITORING WELL LOCATION AND DESIGNATION
 - ATB-9 SOIL BORING LOCATION AND DESIGNATION
 - NET SAND THICKNESS OF THE SATURATED UNCONSOLIDATED DEPOSITS, IN FEET
 - RB-1 RECHARGE BASIN BORING LOCATION AND DESIGNATION
 - 50 LINE OF EQUAL ISOPACH THICKNESS, IN FEET, DASHED WHERE INFERRED
 - BEDROCK OUT CROP
 - SHALLOW BEDROCK SUBCROP, BEDROCK LESS THAN THREE FEET BELOW GRADE, DASHED WHERE INFERRED
 - INDUSTRI-PLEX SITE BOUNDARY

ESTIMATED NET SAND ISOPACH MAP OF THE SATURATED AQUIFER

Prepared for: INDUSTRI-PLEX SITE REMEDIAL TRUST

ROUTED ASSOCIATES INC. Geologists & Engineers	Compiled by: L.O. Project Mgr: W.S.	Date: 5/91 Scale: SHOWN Revision: 0	PLATE 7
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File No: MOD6608DY.10.3

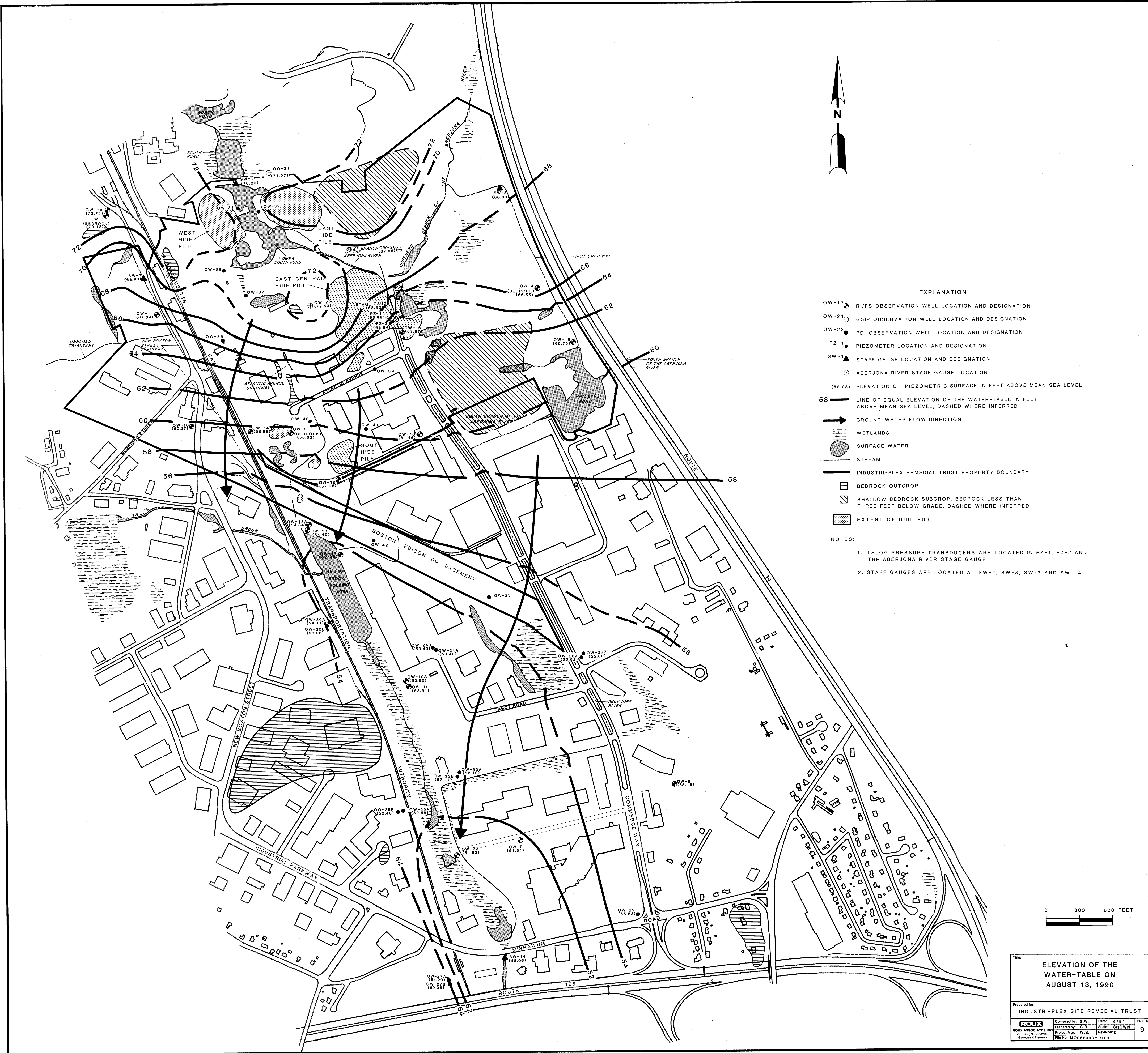


EXPLANATION

- OW-13 RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
- OW-21 GSP OBSERVATION WELL LOCATION AND DESIGNATION
- OW-23 PDI OBSERVATION WELL LOCATION AND DESIGNATION
- PZ-1 PIEZOMETER LOCATION AND DESIGNATION
- SW-1 STAFF GAUGE LOCATION AND DESIGNATION
- ABERJONA RIVER STAGE GAUGE LOCATION
- (64.67) ELEVATION OF PIEZOMETRIC SURFACE IN FEET ABOVE MEAN SEA LEVEL
- 58 LINE OF EQUAL ELEVATION OF THE WATER-TABLE IN FEET ABOVE MEAN SEA LEVEL, DASHED WHERE INFERRED
- GROUND-WATER FLOW DIRECTION
- WETLANDS
- SURFACE WATER
- STREAM
- INDUSTRI-PLEX SITE REMEDIAL TRUST PROPERTY BOUNDARY
- BEDROCK OUTCROP
- SHALLOW BEDROCK SUBCROP, BEDROCK LESS THAN THREE FEET BELOW GRADE, DASHED WHERE INFERRED
- EXTENT OF HIDE PILE

NOTES:

- TELOG PRESSURE TRANSDUCERS ARE LOCATED IN PZ-1, PZ-2 AND THE ABERJONA RIVER STAGE GAUGE
- STAFF GAUGES ARE LOCATED AT SW-1, SW-3, SW-7 AND SW-14



EXPLANATION

- OW-13 ● RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
- OW-21 ⊕ GSP OBSERVATION WELL LOCATION AND DESIGNATION
- OW-23 ● PDI OBSERVATION WELL LOCATION AND DESIGNATION
- PZ-1 ● PIEZOMETER LOCATION AND DESIGNATION
- SW-1 ▲ STAFF GAUGE LOCATION AND DESIGNATION
- ABERJONA RIVER STAGE GAUGE LOCATION

(52.28) ELEVATION OF PIEZOMETRIC SURFACE IN FEET ABOVE MEAN SEA LEVEL

58 — LINE OF EQUAL ELEVATION OF THE WATER-TABLE IN FEET ABOVE MEAN SEA LEVEL, DASHED WHERE INFERRED

→ GROUND-WATER FLOW DIRECTION

WETLANDS

SURFACE WATER

STREAM

INDUSTRI-PLEX REMEDIAL TRUST PROPERTY BOUNDARY

BEDROCK OUTCROP

SHALLOW BEDROCK SUBCROP, BEDROCK LESS THAN THREE FEET BELOW GRADE, DASHED WHERE INFERRED

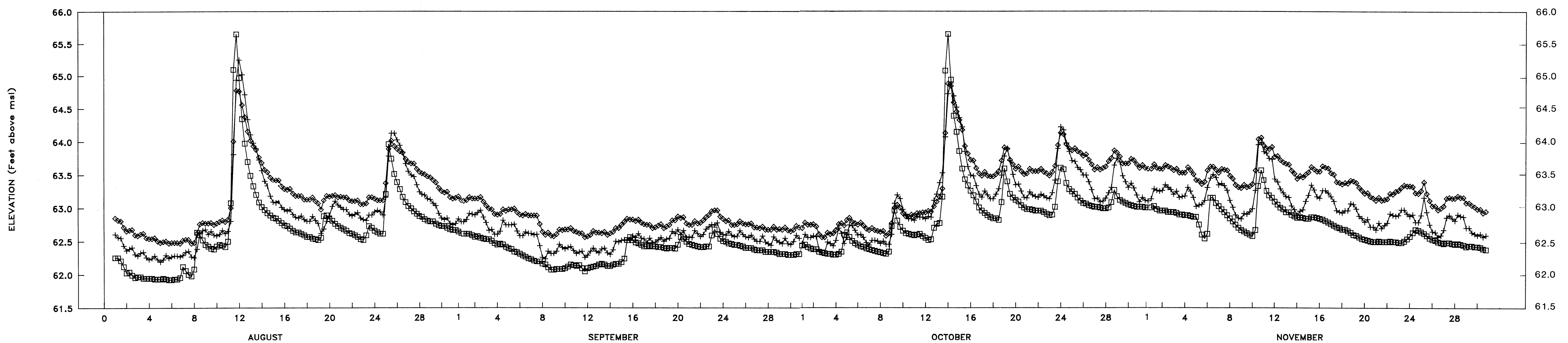
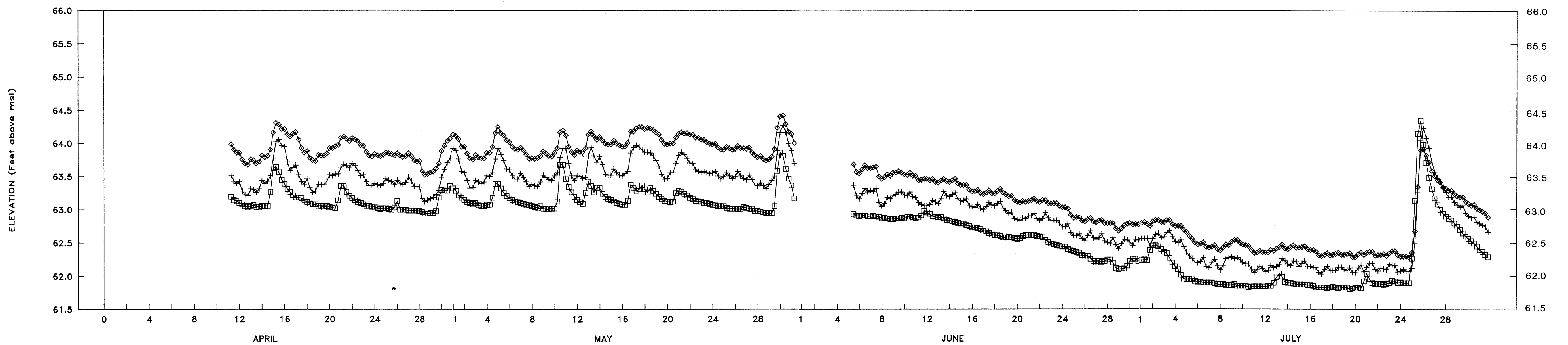
EXTENT OF HIDE PILE

NOTES:

- TELOG PRESSURE TRANSDUCERS ARE LOCATED IN PZ-1, PZ-2 AND THE ABERJONA RIVER STAGE GAUGE
- STAFF GAUGES ARE LOCATED AT SW-1, SW-3, SW-7 AND SW-14

0 300 600 FEET

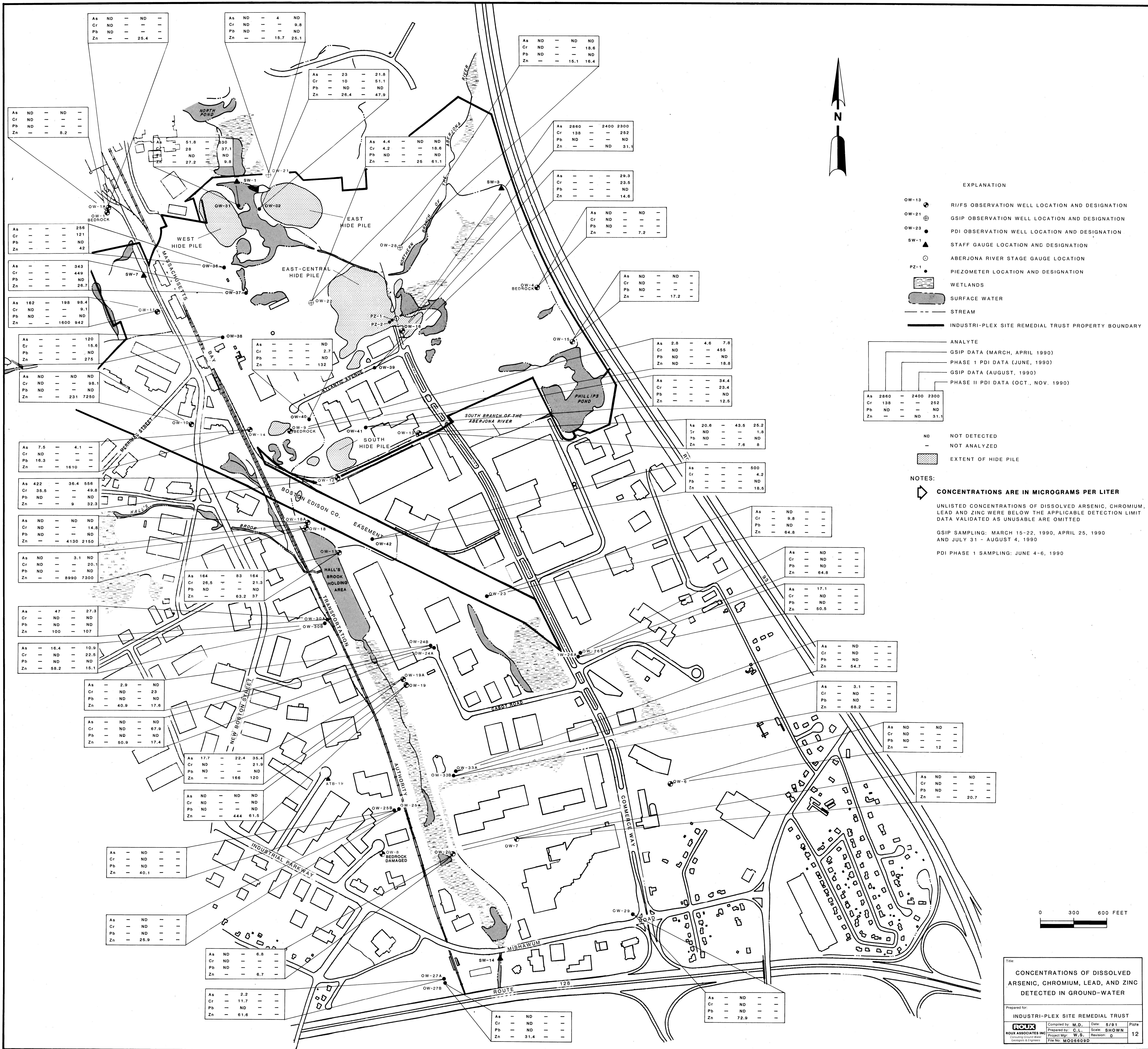
ELEVATION OF THE
WATER-TABLE ON
AUGUST 13, 1990



EXPLANATION

- ◇ ELEVATION OF THE WATER TABLE AT PZ-2
- + ELEVATION OF THE WATER TABLE AT PZ-1
- SURFACE-WATER ELEVATION OF THE ABERJONA RIVER ADJACENT TO PZ-1

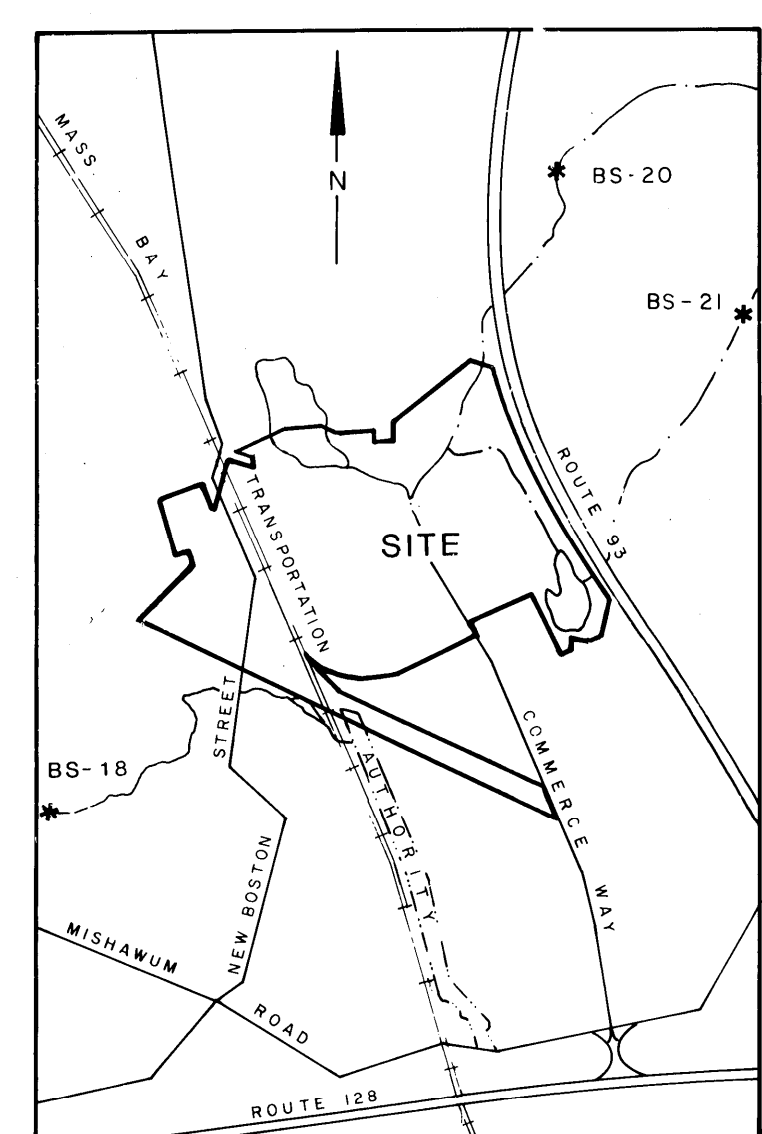
Title			
CONTINUOUS WATER-LEVEL DATA AT PZ-1,PZ-2 AND THE ABERJONA RIVER FROM APRIL THROUGH NOVEMBER 1990			
Prepared for:			
INDUSTRI-PLEX SITE REMEDIAL TRUST			
ROUX ROUX ASSOCIATES INC. <small>Consulting Geologic Water Geologists & Engineers</small>	Compiled by: J.Y.	Date: 5/91	Plate 10
	Prepared by: C.R.	Scale: SHOWN	
	Project Mgr: W.S.	Revision: 0	
	File No: MO06608DY-1D.3		



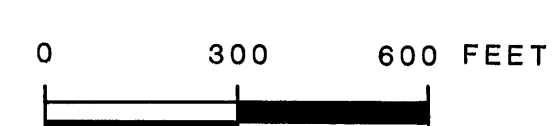


EXPLANATION

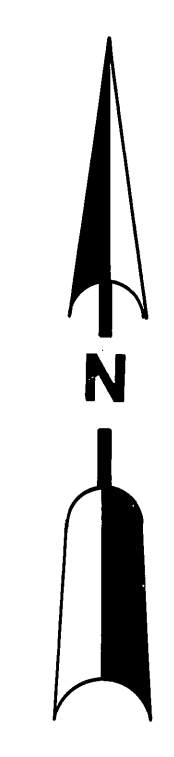
- OW-13 RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
- OW-21 GSIP OBSERVATION WELL LOCATION AND DESIGNATION
- SW-1 SURFACE-WATER SAMPLING LOCATION AND DESIGNATION
- BS-8 BIOLOGICAL SAMPLING LOCATION AND DESIGNATION
- SR-1 TRUNK SEWER SAMPLING LOCATION AND DESIGNATION
- COVERED DRAINAGE
- STREAM
- DISCHARGE PIPE LOCATION AND FLOW DIRECTION
- WETLANDS
- DIRECTION OF SURFACE-WATER FLOW
- SURFACE WATER
- INDUSTRI-PLEX SITE REMEDIAL TRUST PROPERTY BOUNDARY
- EXTENT OF HIDE PILE



MAP INSET "A"
SCALE: ONE INCH EQUALS 2000 FEET

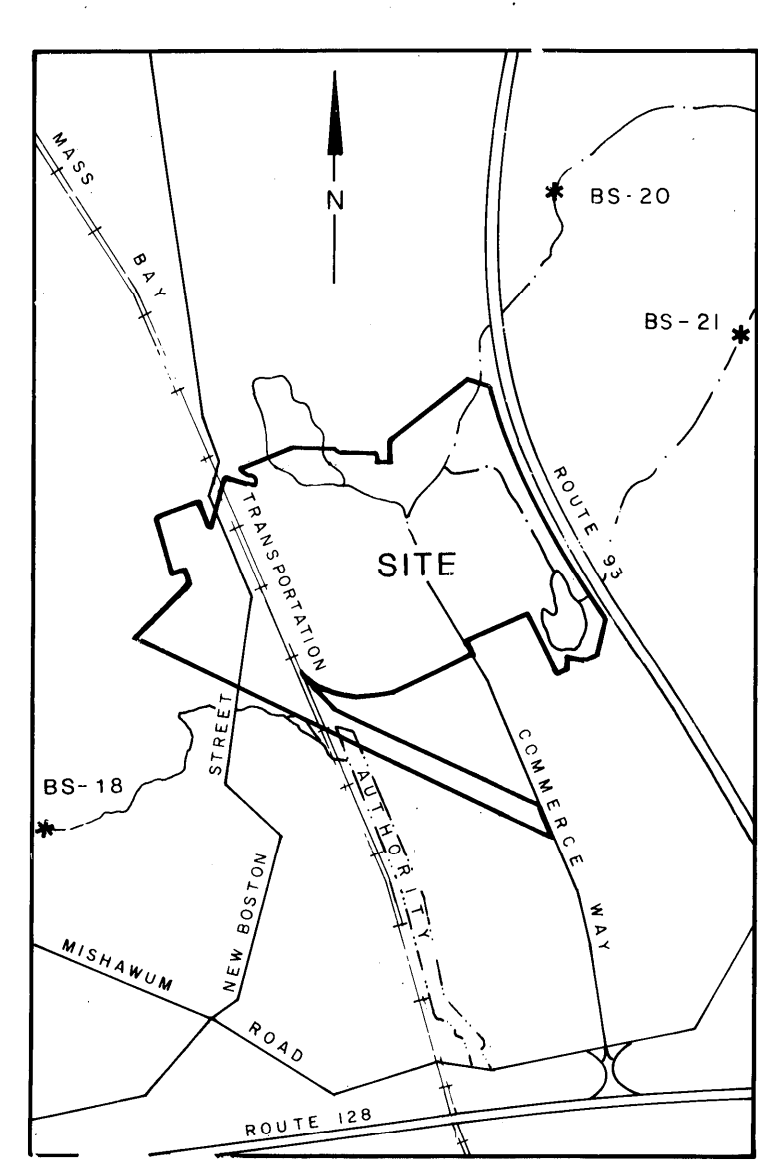


LOCATION OF SURFACE-WATER DRAINAGES AND DISCHARGES			
Prepared for: INDUSTRI-PLEX SITE REMEDIAL TRUST			
Compiled by: S.W.	Date: 8/9/1	Scale: SHOWN	PLATE
Project Mgr: W.S.	Revision: 0		14
File No: MO06608DY.10.3			

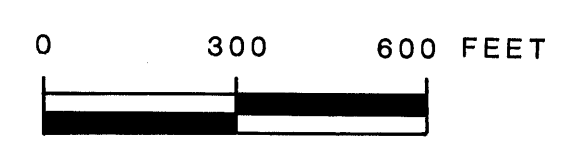


EXPLANATION

- OW-12, OW-21: RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
- OW-21: GSP OBSERVATION WELL LOCATION AND DESIGNATION
- SW-1: SURFACE-WATER SAMPLING LOCATION AND DESIGNATION
- BS-6: BIOLOGICAL SAMPLING LOCATION AND DESIGNATION
- SR-1: TRUNK SEWER SAMPLING LOCATION AND DESIGNATION
- : STREAM
- [Hatched Area]: WETLANDS
- [Blue Area]: SURFACE WATER
- [Thick Line]: INDUSTRI-PLEX SITE REMEDIAL TRUST PROPERTY BOUNDARY
- 0.97 FT/S, 5.53 CFS: FLOW VELOCITY IN FEET PER SECOND, STREAM DISCHARGE IN CUBIC FEET PER SECOND
- NOTE 1: MEASUREMENT CONSIDERED INVALID DUE TO FLOW METER EQUIPMENT PROBLEMS
- [Dotted Area]: EXTENT OF HIDE PILE



MAP INSET "A"
SCALE: ONE INCH EQUALS 2000 FEET



Title: FLOW RATES AND TOTAL DISCHARGE OF SURFACE WATER AT HIGH FLOW CONDITIONS ON APRIL 19, 1990

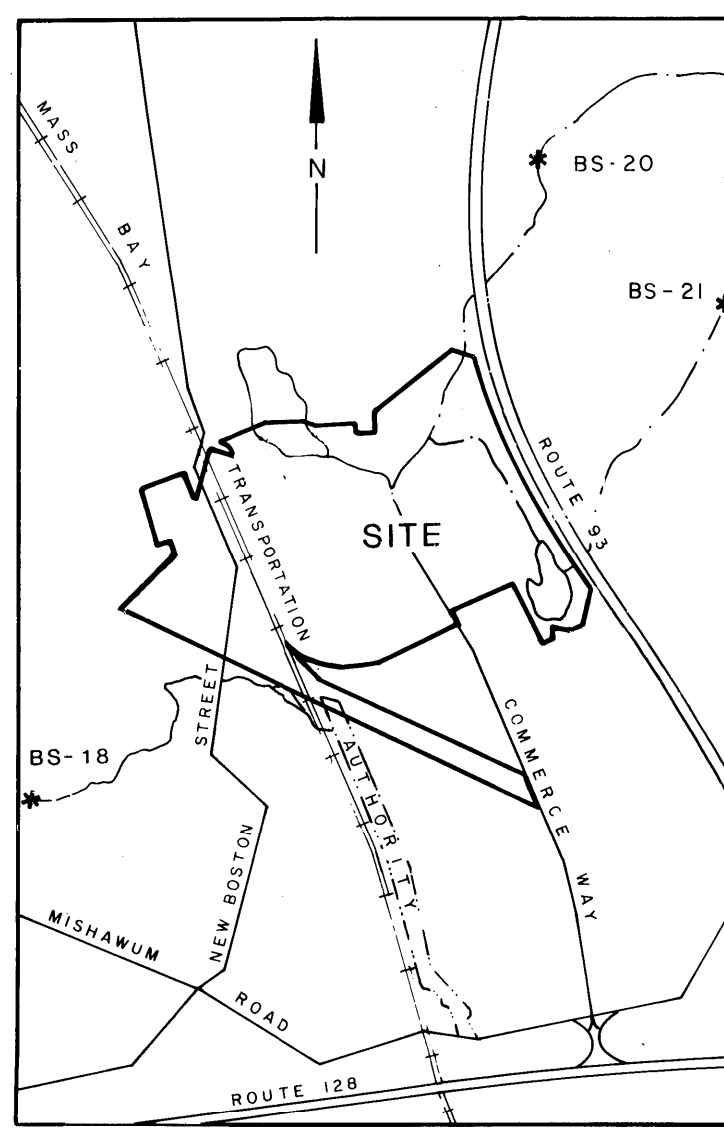
Prepared for: INDUSTRI-PLEX SITE REMEDIAL TRUST

ROUX ASSOCIATES INC. Consulting Engineers & Scientists	Compiled by: S.W.	Date: 5/9/91	PLATE 15
	Prepared by: C.R.	Scale: SHOWN	
	Project Mgr: W.S.	Revision: 0	
	File No: MO06600DY.1D.3		

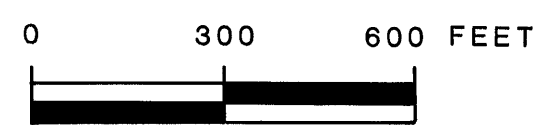


EXPLANATION

- OW-13 RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
- OW-21 GSIP OBSERVATION WELL LOCATION AND DESIGNATION
- SW-1 SURFACE-WATER SAMPLING LOCATION AND DESIGNATION
- BS-8 BIOLOGICAL SAMPLING LOCATION AND DESIGNATION
- SR-1 TRUNK SEWER SAMPLING LOCATION AND DESIGNATION
- STREAM
- WETLANDS
- SURFACE WATER
- INDUSTRI-PLEX SITE REMEDIAL TRUST PROPERTY BOUNDARY
- 0.01 FT/S
0.02 CFS FLOW VELOCITY IN FEET PER SECOND
STREAM DISCHARGE IN CUBIC FEET PER SECOND
- EXTENT OF HIDE PILE



MAP INSET "A"
SCALE: ONE INCH EQUALS 2000 FEET



Title: FLOW RATES AND TOTAL DISCHARGE OF SURFACE WATER AT LOW FLOW CONDITIONS ON JULY 31 THROUGH AUGUST 3, 1990

Prepared for: INDUSTRI-PLEX SITE REMEDIAL TRUST

RCM	Compiled by: S.W.	Date: 5/91	PLATE
ROUX ASSOCIATES INC.	Prepared by: C.R.	Scale: SHOWN	16
Consulting Geotechnical Engineers	Project Mgr.: W.B.	Revision: 0	
	File No: W056687.10.3		



EXPLANATION

- PDI TASK SW-1 STREAM SEDIMENT SAMPLE LOCATION (INCLUDES THREE BORINGS ACROSS THE STREAM CHANNEL)
- PDI TASK SW-1 POND SEDIMENT SAMPLE LOCATION
- OW-13 RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
- OW-21 GSPS OBSERVATION WELL LOCATION AND DESIGNATION
- PZ-1 PIEZOMETER LOCATION AND DESIGNATION
- SW-2 SURFACE-WATER AND STREAM SEDIMENT SAMPLING LOCATION AND DESIGNATION
- CORE-1 STREAM SEDIMENT CORE LOCATION AND DESIGNATION
- ABERJONA RIVER STAGE GAUGE LOCATION
- WETLANDS
- SURFACE WATER
- STREAM
- EXTENT OF HIDE PILE
- INDUSTRI-PLEX REMEDIAL TRUST PROPERTY BOUNDARY

NOTES:

CONCENTRATIONS ARE IN MICROGRAMS PER LITER FOR SURFACE WATER DATA AND IN MICROGRAMS PER KILOGRAM FOR STREAM SEDIMENT DATA (SHADED)

TELOG PRESSURE TRANSDUCERS ARE LOCATED IN PZ-1, PZ-2 AND THE ABERJONA RIVER STAGE GAUGE.

STAFF GAUGES ARE LOCATED AT SW-1, SW-3, SW-7 AND SW-14

DATA VALIDATED AS UNUSABLE ARE OMITTED

UNLISTED CONCENTRATIONS OF ORGANIC COMPOUNDS WERE BELOW THE APPLICABLE DETECTED LIMIT

SURFACE-WATER SAMPLES WERE NOT COLLECTED AT SW-3 AND SW-16

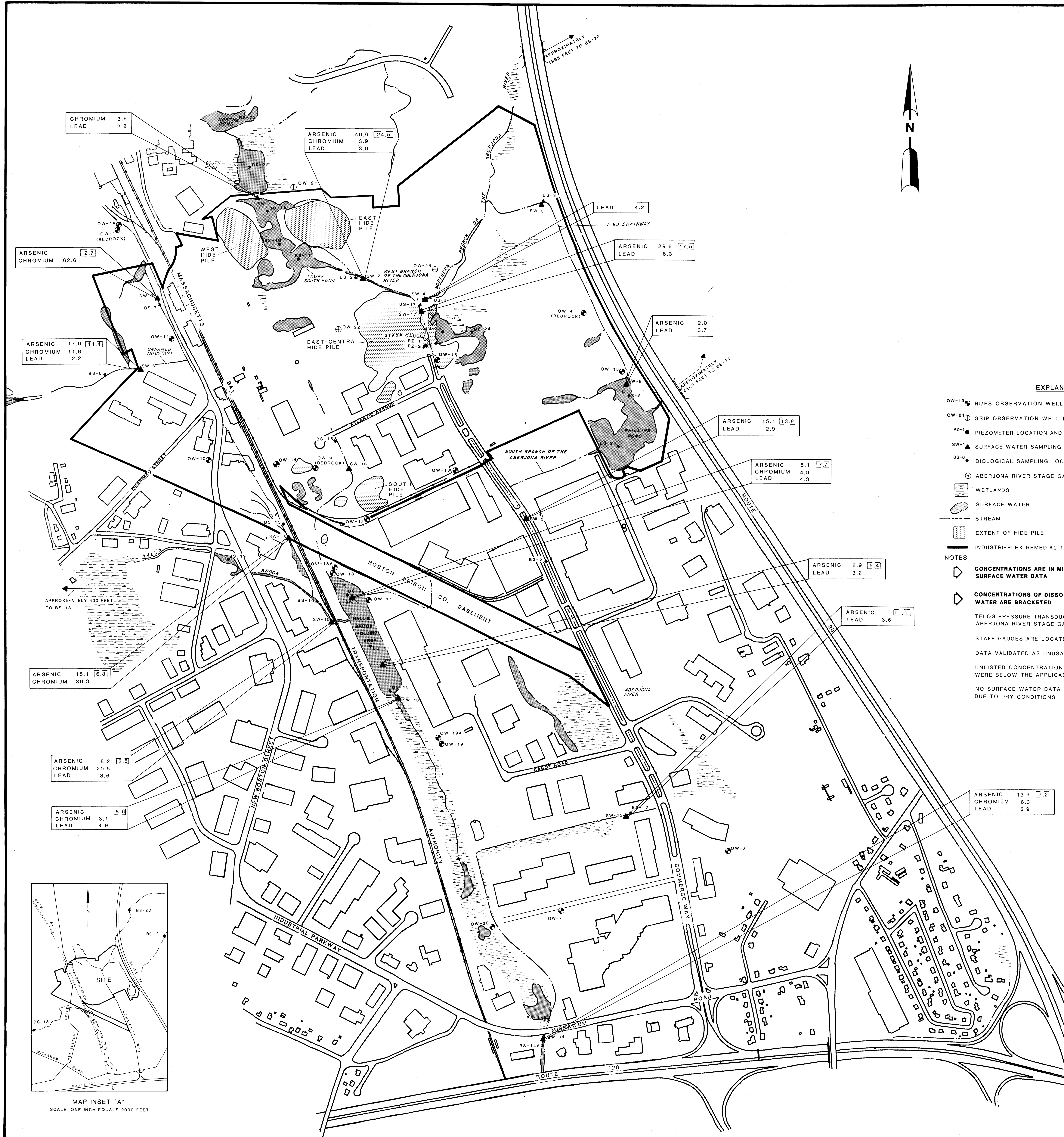
NO ORGANIC COMPOUNDS WERE DETECTED IN SURFACE WATER AT SW-1, SW-5, SW-8, SW-12 AND SW-17

PDI TASK SW-1 SAMPLING MAY/JUNE 1990

GSPS SAMPLING (LOW FLOW) JULY/AUGUST 1990

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SURFACE WATER AND SEDIMENT MAY/JUNE AND JULY/AUGUST 1990

Prepared for	INDUSTRI-PLEX SITE REMEDIAL TRUST
Prepared by	ROUX ASSOCIATES INC.
Compiled by	S.W.
Date	5/91
Scale	SHOWN
Plate	17



EXPLANATION

- OW-19 RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
- OW-21 GSIP OBSERVATION WELL LOCATION AND DESIGNATION
- PZ-1 PIEZOMETER LOCATION AND DESIGNATION
- SW-1 SURFACE WATER SAMPLING LOCATION AND DESIGNATION
- BS-8 BIOLOGICAL SAMPLING LOCATION AND DESIGNATION
- ABERJONA RIVER STAGE GAUGE LOCATION

- WETLANDS
- SURFACE WATER
- STREAM
- EXTENT OF HIDE PILE
- INDUSTRI-PLEX REMEDIAL TRUST PROPERTY BOUNDARY

NOTES

CONCENTRATIONS ARE IN MICROGRAMS PER LITER FOR SURFACE WATER DATA

CONCENTRATIONS OF DISSOLVED METALS IN SURFACE WATER ARE BRACKETED

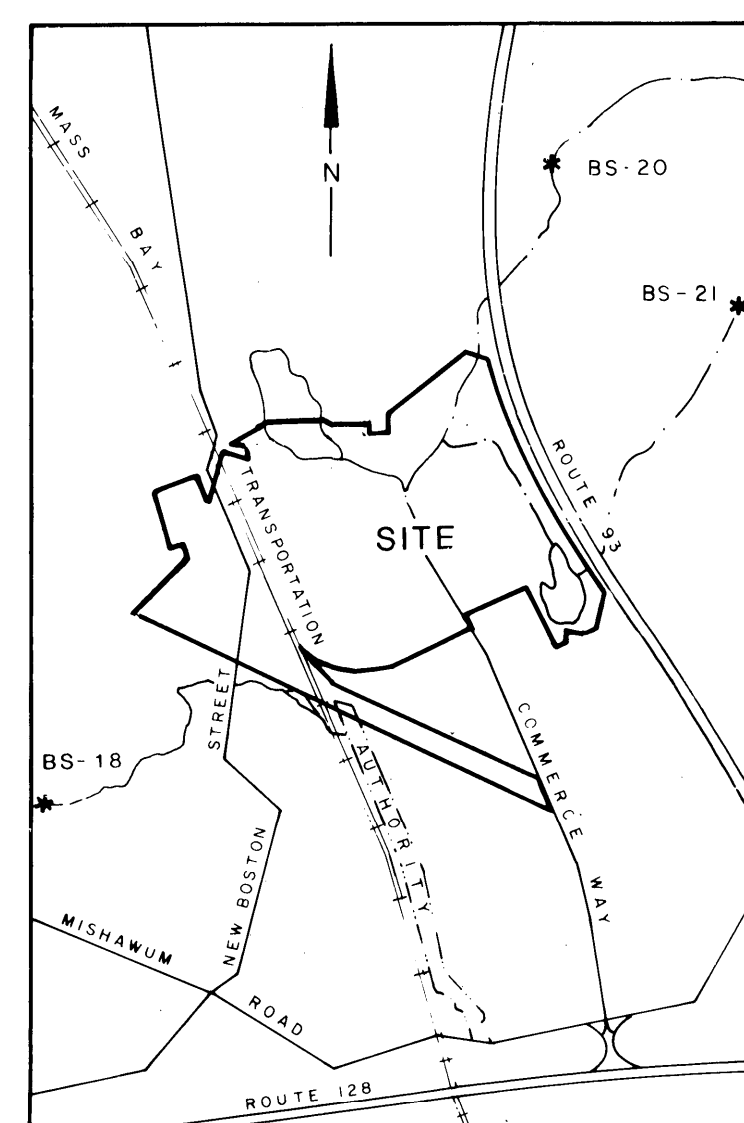
TELOG PRESSURE TRANSDUCERS ARE LOCATED IN PZ-1, PZ-2 AND THE ABERJONA RIVER STAGE GAUGE.

STAFF GAUGES ARE LOCATED AT SW-1, SW-3, SW-7 AND SW-14

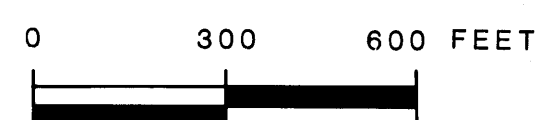
DATA VALIDATED AS UNUSABLE ARE OMITTED

UNLISTED CONCENTRATIONS OF ARSENIC, CHROMIUM AND LEAD WERE BELOW THE APPLICABLE DETECTION LIMIT

NO SURFACE WATER DATA COLLECTED AT SW-3 AND SW-16 DUE TO DRY CONDITIONS



MAP INSET "A"
SCALE ONE INCH EQUALS 2000 FEET





- EXPLANATION
- CORE-1 ● STREAM SEDIMENT CORE LOCATION AND DESIGNATION
 - 9.9 CONCENTRATION OF ARSENIC IN MILLIGRAMS PER KILOGRAM
 - OW-15 ● RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
 - OW-21 ● GSIP OBSERVATION WELL LOCATION AND DESIGNATION
 - PZ-1 ● PIEZOMETER LOCATION AND DESIGNATION
 - SW-1 ● SURFACE WATER AND STREAM SEDIMENT SAMPLING LOCATION AND DESIGNATION
 - 4.8 CONCENTRATION OF ARSENIC IN MILLIGRAMS PER KILOGRAM
 - 19 PDI TASK SW-1 STREAM SEDIMENT SAMPLING LOCATION AND DESIGNATION
 - 172 CONCENTRATION OF ARSENIC IN MILLIGRAMS PER KILOGRAM
 - BS-8 ● BIOLOGICAL SAMPLING LOCATION AND DESIGNATION
 - ABERJONA STAGE GAUGE LOCATION
 - WETLANDS
 - SURFACE WATER
 - STREAM
 - EXTENT OF HIDE PILES
 - INDUSTRI-PLEX REMEDIAL SITE TRUST PROPERTY BOUNDARY

NOTES:

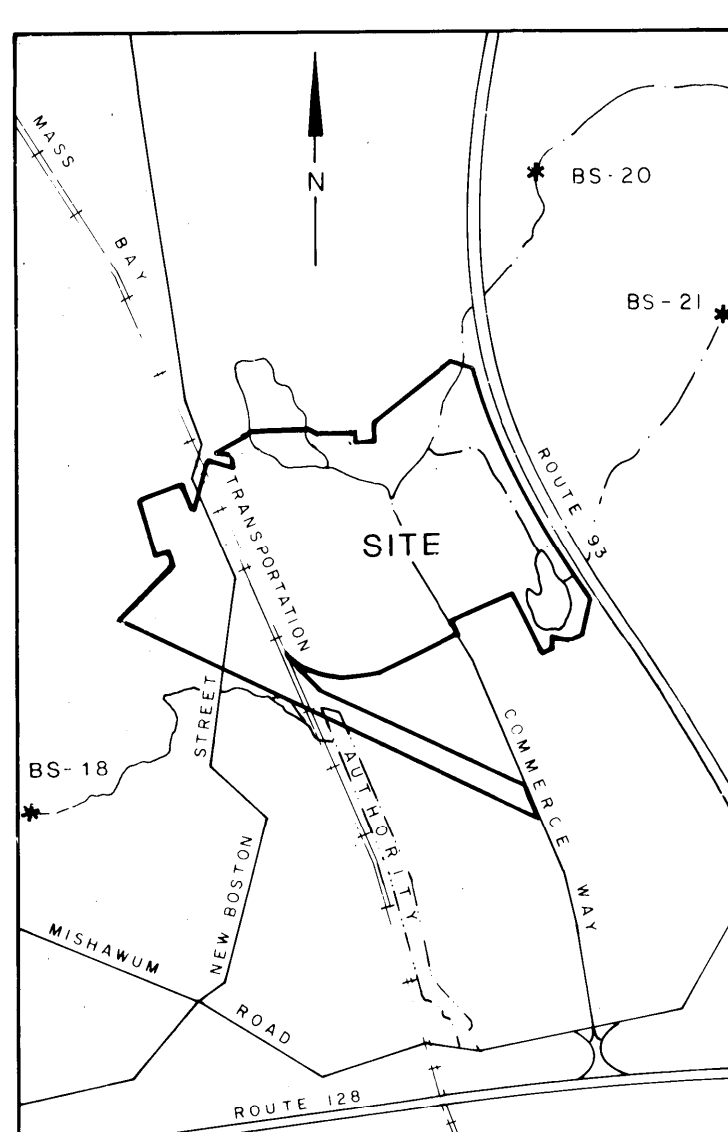
TELOG PRESSURE TRANSDUCERS ARE LOCATED IN PZ-1, PZ-2 AND THE ABERJONA RIVER STAGE GAUGE

STAFF GAUGES ARE LOCATED AT SW-1, SW-3, SW-7 AND SW-14

DATA VALIDATED AS UNUSABLE ARE OMITTED

UNLISTED CONCENTRATIONS OF ARSENIC WERE BELOW THE APPLICABLE DETECTION LIMIT

PDI TASK SW-1 STREAM SEDIMENT SAMPLE DATA FROM SHALLOWEST SAMPLE COLLECTED; MULTIPLE SAMPLES ARE AVERAGED



MAP INSET "A"
SCALE: ONE INCH EQUALS 2000 FEET



- EXPLANATION
- CORE-1
13.9 ● STREAM SEDIMENT CORE LOCATION AND DESIGNATION
CONCENTRATION OF CHROMIUM IN MILLIGRAMS PER KILOGRAM
 - OW-13 ● RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
 - OW-21 ● GSIP OBSERVATION WELL LOCATION AND DESIGNATION
 - PZ-1 ● PIEZOMETER LOCATION AND DESIGNATION
 - BIOLOGICAL SAMPLING LOCATION AND DESIGNATION
 - SW-1 ● SURFACE WATER AND STREAM SEDIMENT SAMPLING LOCATION AND DESIGNATION
CONCENTRATION OF CHROMIUM IN MILLIGRAMS PER KILOGRAM
 - 57 □ PDI TASK SW-1 STREAM SEDIMENT SAMPLING LOCATION AND DESIGNATION
8.6 CONCENTRATION OF CHROMIUM IN MILLIGRAMS PER KILOGRAM
 - ABERJONA RIVER STAGE GAUGE LOCATION
 - WETLANDS
 - SURFACE WATER
 - STREAM
 - EXTENT OF HIDE PILES
 - INDUSTRI-PLEX SITE REMEDIAL TRUST PROPERTY BOUNDARY

NOTES:

TELOG PRESSURE TRANSDUCERS ARE LOCATED IN PZ-1, PZ-2 AND THE ABERJONA RIVER STAGE GAUGE

STAFF GAUGES ARE LOCATED AT SW-1, SW-3, SW-7 AND SW-14

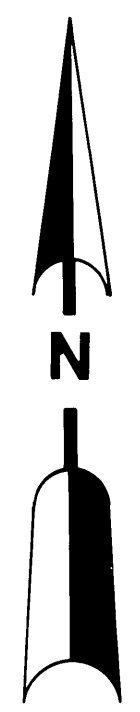
DATA VALIDATED AS UNUSABLE ARE OMITTED

UNLISTED CONCENTRATIONS OF CHROMIUM WERE BELOW THE APPLICABLE DETECTION LIMIT

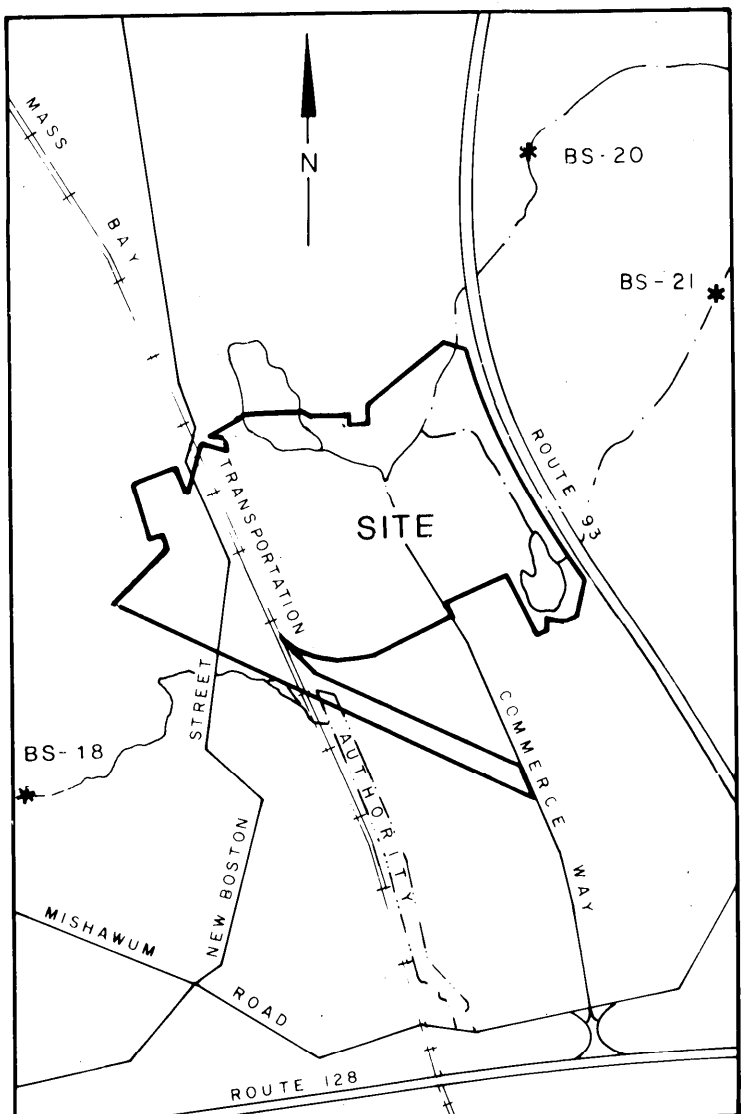
PDI TASK SW-1 STREAM SEDIMENT SAMPLE DATA FROM SHALLOWEST SAMPLE COLLECTED; MULTIPLE SAMPLES ARE AVERAGED

CONCENTRATIONS OF CHROMIUM
DETECTED IN STREAM SEDIMENT

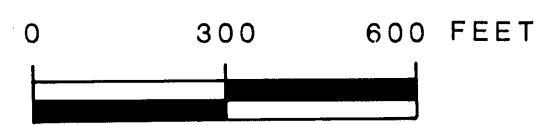
Prepared for: INDUSTRI-PLEX SITE REMEDIAL TRUST				
ROUX ASSOCIATES INC. Consulting Geotechnical Engineers & Scientists	Compiled by: M.S. Prepared by: C.R. Project Mgr.: W.S. File No: M066000	Date: 6/91 Scale: SHOWN Revision: 0	Plate: 20	

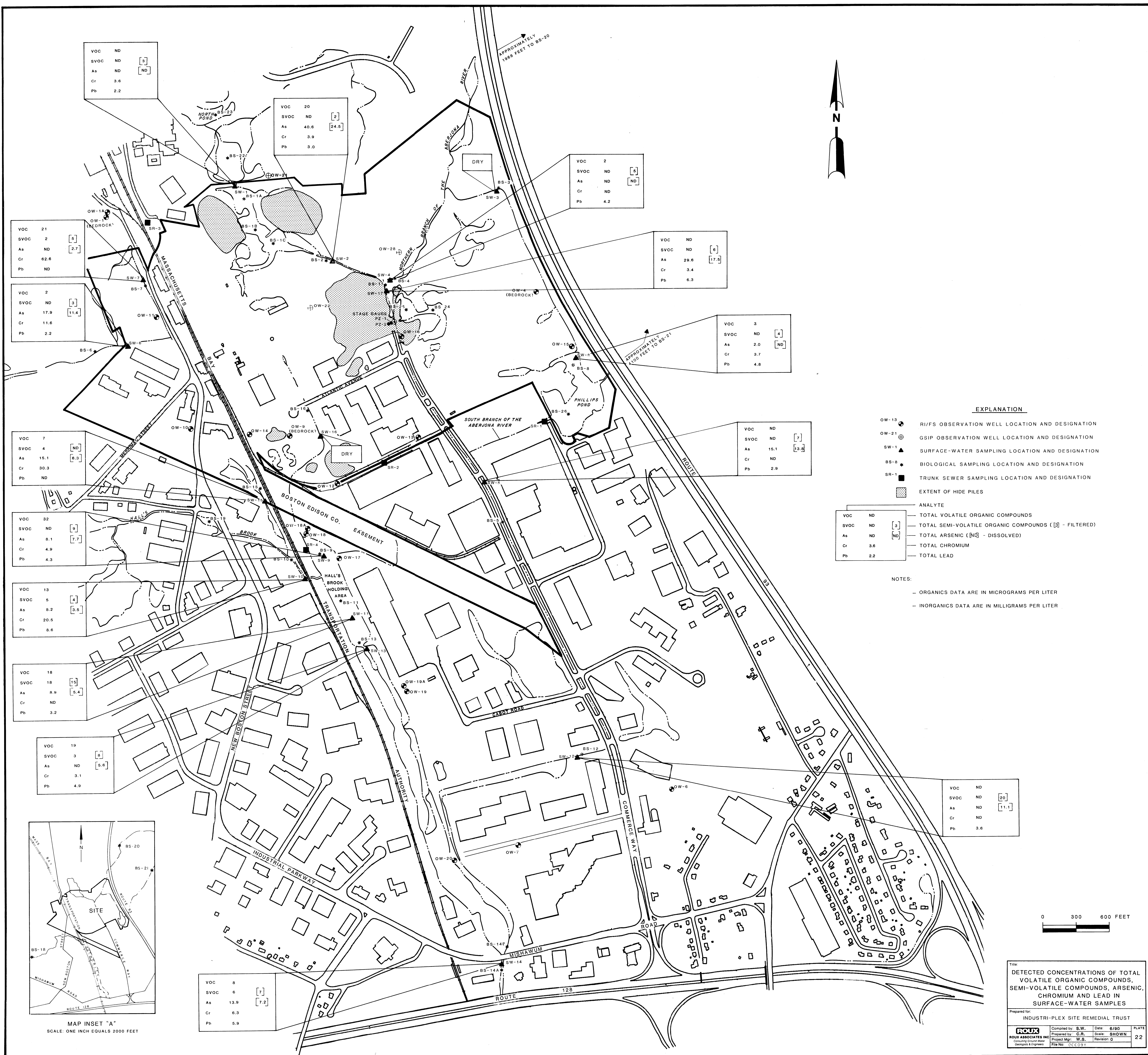


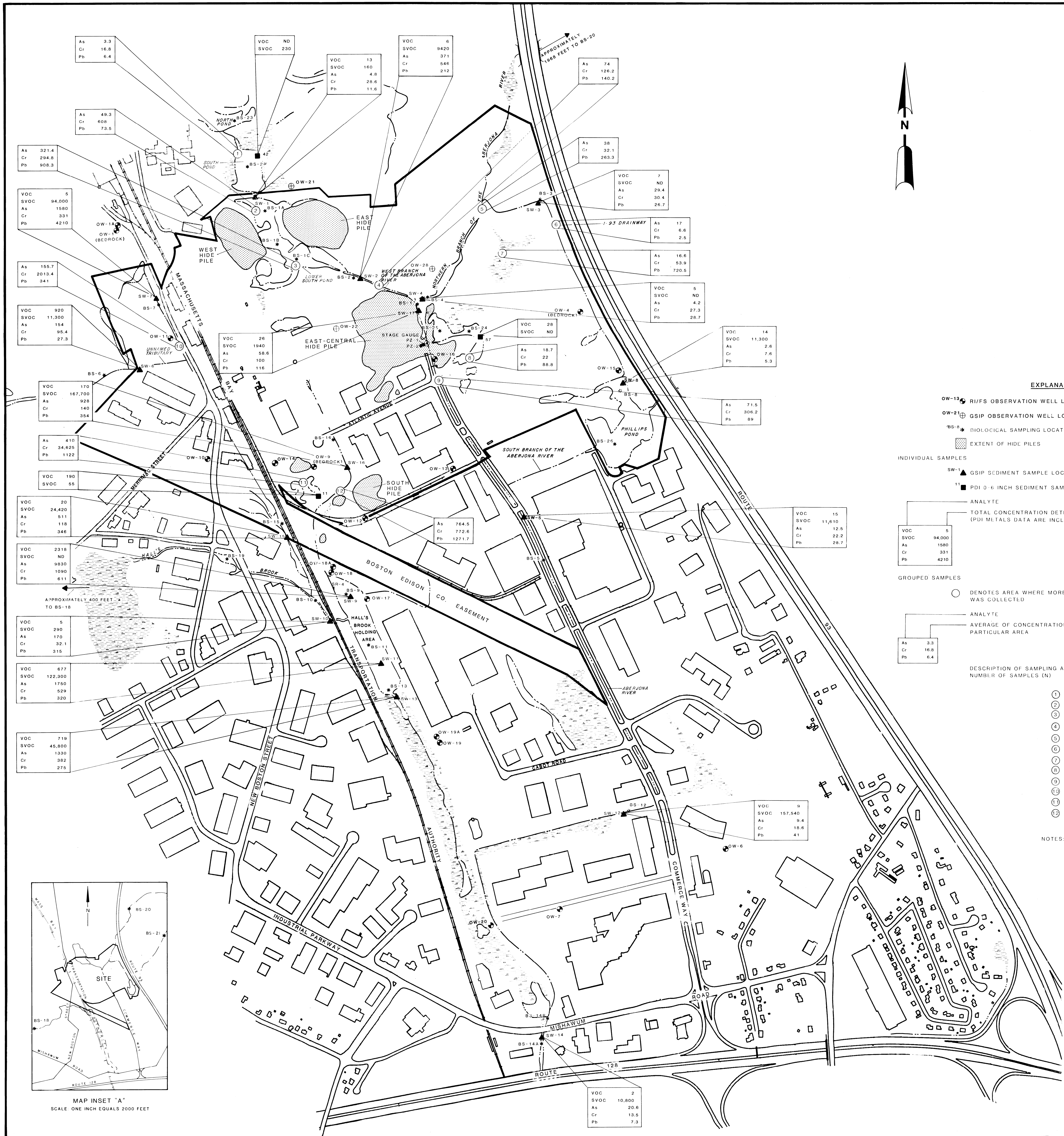
- EXPLANATION
- CORE-1
5.7 ● STREAM SEDIMENT CORE LOCATION AND DESIGNATION CONCENTRATION
 - CONCENTRATION OF LEAD IN MILLIGRAMS PER KILOGRAM
 - OW-13 ● RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
 - OW-21 ● GSIP OBSERVATION WELL LOCATION AND DESIGNATION
 - PZ-1 ● PIEZOMETER LOCATION AND DESIGNATION
 - BS-1 ● BIOLOGICAL SAMPLING LOCATION AND DESIGNATION
 - SW-1 ● SURFACE WATER AND STREAM SEDIMENT SAMPLING LOCATION AND DESIGNATION
 - 11.6 CONCENTRATION OF LEAD IN MILLIGRAMS PER KILOGRAM
 - 19 PDI TASK SW-1 STREAM SEDIMENT SAMPLING LOCATION AND DESIGNATION
 - 139 CONCENTRATION OF LEAD IN MILLIGRAMS PER KILOGRAM
 - ABERJONA RIVER STAGE GAUGE LOCATION
 - WETLANDS
 - SURFACE WATER
 - STREAM
 - EXTENT OF HIDE PILES
 - INDUSTRI-PLEX SITE REMEDIAL TRUST PROPERTY BOUNDARY
- NOTES:
- TELOG PRESSURE TRANSDUCERS ARE LOCATED IN PZ-1, PZ-2 AND THE ABERJONA RIVER STAGE GAUGE
 - STAFF GAUGES ARE LOCATED AT SW-1, SW-3, SW-7 AND SW-14
 - DATA VALIDATED AS UNUSABLE ARE OMITTED
 - UNLISTED CONCENTRATIONS OF LEAD WERE BELOW THE APPLICABLE DETECTION LIMIT
 - PDI TASK SW-1 STREAM SEDIMENT SAMPLE DATA FROM SHALLOWEST SAMPLE COLLECTED; MULTIPLE SAMPLES ARE AVERAGED



MAP INSET "A"
SCALE: ONE INCH EQUALS 2000 FEET







EXPLANATION

- OW-13 RI/FS OBSERVATION WELL LOCATION AND DESIGNATION
OW-21 GSP OBSERVATION WELL LOCATION AND DESIGNATION
BS-8 BIOLOGICAL SAMPLING LOCATION AND DESIGNATION
EXTENT OF HIDE PILES

- INDIVIDUAL SAMPLES
SW-1 GSP SEDIMENT SAMPLE LOCATION AND DESIGNATION
PDI 0-6 INCH SEDIMENT SAMPLE LOCATION AND DESIGNATION

- ANALYTE
TOTAL CONCENTRATION DETECTED IN A PARTICULAR SAMPLE
(PDI METALS DATA ARE INCLUDED WITH AVERAGED DATA)

VOC	5
SVOC	94,000
As	1580
Cr	331
Pb	4210

- GROUPED SAMPLES
DENOTES AREA WHERE MORE THAN ONE 0-6 INCH PDI SEDIMENT SAMPLE WAS COLLECTED

- ANALYTE
AVERAGE OF CONCENTRATIONS DETECTED IN ALL SAMPLES FROM A PARTICULAR AREA

As	3.3
Cr	16.8
Pb	6.4

DESCRIPTION OF SAMPLING AREAS AND NUMBER OF SAMPLES (N)

- SOUTH POND, N=7
- LOWER SOUTH POND, N=6
- LOWER SOUTH POND, N=9
- WEST BRANCH ABERJONA RIVER, N=4
- NORTH BRANCH ABERJONA RIVER, N=2
- I-93 DRAINWAY, N=2
- UNNAMED POND, N=2
- POND ADJACENT TO HIDES, N=5
- ABERJONA RIVER, N=5
- NEW BOSTON ST. DRAINWAY, N=7
- CHROMIUM PONDS, N=4
- ATLANTIC AVE. DRAINWAY, N=6

NOTES:

- ORGANICS DATA ARE IN MICROGRAMS PER KILOGRAM
- INORGANICS DATA ARE IN MILLIGRAMS PER KILOGRAM
- DATA FROM PDI SEDIMENT SAMPLES COLLECTED AT DEPTH INTERVALS GREATER THAN 6 INCHES ARE OMITTED

0 300 600 FEET